



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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9/21/2000

सं० 53] नई दिल्ली, शनिवार, दिसम्बर 30, 2000 (पौष 9, 1922)  
No. 53] NEW DELHI, SATURDAY, DECEMBER 30, 2000 (PAUSA 9, 1922)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 30th December 2000

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IIIrd Floor, Rajaji Bhavan,  
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Pondicherry and the Union  
Territories of Lakshadweep, Minicoy  
and Aminidivi Islands.

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Phone No. 490 1495  
Fax No. 044 490 1492

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Building, 5th, 6th & 7th  
Floors, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 002.

Rest of India.

Telegraphic address "PATENTS"  
Phone No. 247 4401  
Fax No. 033 247 3851

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## पेटेंट कार्यालय

एजन्स तथा अभिकल्प

कलकत्ता, दिनांक 30 दिसम्बर 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुंबई, दिल्ली एवं चन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टाईपी इस्टेट,  
लीमरा तल, लोकर परत (प.),  
मुंबई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश  
तथा गोआ राज्य क्षेत्र एवं संघ  
शांभित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली ।

तार पता - "पेटेंटिफिक"

फोन : 482 5092 फैक्स : 022 495 0622

पेटेंट कार्यालय शाखा,  
एजन्स सं. 401 से 405, तीसरा तल,  
महाराष्ट्र शांभित क्षेत्र, लोकर परत,  
समस्तली मार्ग, कराली नगर  
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा बिहार राज्य  
क्षेत्र एवं संघ शांभित क्षेत्र चन्नई ।

तार पता - "पेटेंटिफिक"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,  
विंग सी (सी-4, ए),  
लीमरा तल, राजाजी भवन, बसन्त नगर,  
चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं  
संघ शांभित क्षेत्र, लक्षद्वीप, गिनिक्का  
तथा पणिगिदिदि द्वीप ।

तार पता - "पेटेंटिफिक"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय)  
मिन्नाथ पेलेस, द्वितीय बहुमंतीय कार्यालय  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंटिफिक"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,  
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित  
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या सूचनाएं  
पेटेंट कार्यालय के केवल समुचित कार्यालय में ही प्रवेश  
किये जायेंगे ।

शुल्क, शुल्कों की अवायगी या तो नकद की जायगी अथवा  
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक  
में नियंत्रक की भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की  
जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE  
HEAD OFFICE 234 4 ACHARYA JAGDISH BOSE ROAD  
CALCUTTA-700 020.

The dated shown in the crecent bracked are the dated  
claimed under section 135, under Patent Act, 1970.

25-10-2000

598/Cal/2000 Thomson Multimedia Process for allocat-  
ing bandwidth to data streams in an application  
broadcasting network. (Convention No. 9913840  
filed on 5-11-99 in France)

599 Cal/2000. Gnan-Jang Plastics Co. Ltd., Method for  
fabricating slippers and sandals.

27-10-2000

600/Cal/2000. Unex Corporation., A method of and an  
apparatus for tightening threaded connections.  
(Convention No. 09/563, 868 filed on 3-5-2000  
in United States of America).

601 Cal 2000, Grupp Uhde GmbH, Process for the pro-  
duction of submicron particles in conjunction with a  
pressure swing adsorption unit (Convention  
No. 19955676 8 filed on 19-11-99 in Germany).

602/Cal/2000. Thomson Multimedia., Transmission and  
reception method and devices in a transmission  
system comprising convolutional interleaving/de-  
interleaving (Convention No. 99402782.9 filed on  
10-11-99 in EPO).

603 Cal/2000. Diamond and Jewelry-4-U-Ltd., System for  
trade in precious gemstones. (Convention No  
132684 filed on 20-10-99 and 134664 filed on  
22-2-2000 in Israel).

30-10-2000

604/Cal 2000. Hitachi Ltd and Hitachi Consumer Products  
Thailand, Ltd., Refrigerator.

605 Cal 2000. Deutsche Thomson-Brandt GmbH., Method  
for the construction of a continuous speech re-  
cognizer. (Convention No. 99122440.3 filed on  
11-11-1999 in EPO).

31-10-2000

606 Cal/2000 Thomson Licensing, S.A. Frequency depen-  
dent X-ray protection circuit for a multimedia  
monitor (Convention No. 09 436.273 filed on  
8-11-99 in USA)

607/Cal 2000. Thomson Licensing-S.A. BCA data replay.  
(Convention No. 09/444,857 filed on 22-11-99 in  
U.S.A.).

603/Cal/2000. Graf & Cie Ag., Sawtooth wire (Convention No. 99122418.9 filed on 10-11-99 in EPO).

609/Cal/2000. General Electric Company., Swept barrel air-foil. (Convention No. 09/467,956 filed on 21-12-99 in U.S.A.).

1-11-2000

611/Cal/2000. PFW Aroma Chemicals B.V. Perfumes (Convention No. EP 99203787.9 filed on 12-11-99 in EPO).

2-11-2000

611/Cal/2000. Amersham Pharmacia Biotech AB, Access valve devices their use in separation apparatus, and corresponding methods. (Convention No. 9419888.4 filed on 3-10-94 in U.K. (Divided out of No. 1189/Cal/95 antedated to 4-10-95).

612/Cal/2000. Torrent Pharmaceuticals Ltd., Process for preparation of B-phenethylamine derivative.

6-11-2000

613/Cal/2000. Steel Authority of India Ltd., A System for measuring dimensions of any circular object having atleast one central bore.

614/Cal/2000. Degussa-Huls Aktiengesellschaft, Process for the preparation of sulfur and phosphorus-containing organosilicon compounds. (Convention No. 19954815.3 filed on 13-11-99 in Germany).

615/Cal/2000. Mcneil-PPC, Inc., Compound napkin. (Convention No. 09/436,484 filed on 8-11-99 in U.S.A.).

616/Cal/2000. Mcneil-PPC, Inc. Compound sanitary napkin. (Convention No. 09/436397 filed on 8-11-99 in U.S.A.).

617/Cal/2000. Mcneil-PPC, Inc. Tapered compound sanitary napkin. (Convention No. 09/436 398 filed on 8-11-99 in U.S.A.).

618/Cal/2000. Technogel GmbH & Co. Kg Molding made from polyurethane and process for its production. (Convention No. 19957397.2 filed on 29-11-99 in Germany).

619/Cal/2000. General Electric Company. Turbine nozzle segment and method of repairing same. (Convention No. 09/438,969 filed on 12-11-99 in U.S.A.).

8-11-2000

620/Cal/2000. Dr. Demasis Bhattacharya, Improvements in or relating to an apparatus for direct enlarged visualisation of macroscopic creatures and organs.

621/Cal/2000. Mihar Co Ltd, Bent work and bending method and bending device used therefor. (Convention No. 200-259811 filed on 29-8-2000 in Japan).

622/Cal/2000. Chitta Ranjan Mukherjee. Improved electrical generator and motor.

623/Cal/2000. Moriyama Kogyo Kabushiki Kaisha. Rotor of magnetogenerator for internal combustion engine. (Convention No.(s). HEI 11-316488 filed on 8-11-99 in Japan and convention No. nil filed on 20-10-2000 in U.S.A.).

624/Cal/2000. Kawasaki Thermal Engineering Co. Ltd. Absorption chiller/absorption chiller-heater having safety device.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH  
WING 'C' (C-4 'A'). III FLOOR, RAJAJI BHAVAN,  
BESANT NAGAR, CHENNAI-600090

17th July, 2000

547/Mas/2000. Sathyanarayana Sreekanth & Sathyanarayana Girish. Shikakai in the form of paste.

548/Mas/2000. Wonder Gas India Ltd. Wonder gas cooking system.

549/Mas/2000. Lincoln Global, Inc. Method and system for welding railroad rails. (July 19, 1999; USA).

550/Mas/2000. M/s. Widia GmbH. Method for the manufacture of multilayer coatings on the substrate bodies and composite materials, consisting of a coated substrate body.

18th July, 2000

551/Mas/2000. National Starch and Chemical Investment Holding Corporation. Sago fluidity starch and use thereof. (August 10, 1999; USA).

552/Mas/2000. Mottura Serrature Di Sicurezza SpA. Cylinder lock having magnetically operative blassing means. (July 21, 1999; Europe).

553/Mas/2000. F Hoffmann-La Roche Ag. Triazole and imidazole derivatives. (July 21, 1999; Europe).

554/Mas/2000. Cemex Central S.A. DE C.V. Method of producing portland clinker using a circulating fluidized bed boiler. (July 19, 1999; USA).

19th July, 2000

555/Mas/2000. N.K. Prakash. A device adapted to be fitted with existing diesel, petrol and gas driven engines to enhance combustivity of fuel.

556/Mas/2000. R. N. Datta'sany. Lotus fecal dissolving machinery.

557/Mas/2000. Mitsubishi Denki Kabushiki Kaisha. Cathode ray tube. (September 13, 1999; Japan).

558/Mas/2000. International Business Machine Corporation. A method to distribute programs using remote java objects. (August 16, 1999; US).

20th July, 2000

559/Mas/2000. Lucant Technologies Inc. Method for producing oriented piezoelectric films. (July 29, 1999; US).

560/Mas/2000. Snamprogetti S P A. Process for the separation of light olefins from paraffins. (July 22, 1999; Italy).

561/Mas/2000. CLAAS Selbstfahrende Erntemaschinen GmbH. Rotary threshing and separation unit. (September 29, 1999; GB).

562/Mas/2000. Lincoln Global Inc. Method of pipe welding. (July 23, 1999; USA).

21st July, 2000

563/Mas/2000. Indian Institute of Science. A system for voice telegram.

564/Mas/2000. Maschinenfabrik Rieter Ag. A cleaning apparatus for a top comb. (July 24, 1999; Switzerland).

565/Mas/2000. Maschinenfabrik Rieter Ag. Top comb of a combing machine. (July 24, 1999; Switzerland).

566/Mas/2000. Atofina. Purification of alkenesulphonic acids. (July 27, 1999; France).

567/Mas/2000. Lucent Technologies Inc. Apparatus and method for finding location of a mobile unit. (July 26, 1999; US).

568/Mas/2000. Subramaniam Palaniappan. Fuel saving solution.

#### ALTERATION OF DATE U/S 16.

185349 Antedated to 13th February 1995.  
(1577/Cal/98)

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंधित आवेदनो में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकसूत्र के उपयुक्त कार्यालय में ऐसे विरोध की सूचना पेशित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित बकाय्य वा प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाईल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संबंध में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति की अदागरी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रीत उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रिंट शुल्क उक्त दस्तावेज के 10 रुपये प्रीत पृष्ठ धन 30 रुपये की अदागरी पर की जा सकती है।

Ind. Cl. : 98A, 6A-1

185321

Int. Cl. : F28C 1/00

#### TWO IN ONE ROOM CONDITIONER.

Applicant : DR. VINAY KUMAR, PROFESSOR, CHAIRMAN, DEPARTMENT OF MECHANICAL ENGINEERING, REGIONAL ENGINEERING COLLEGE, KURUKSHETRA (HARYANA), 1361, INDIA, SMT. SANTOSH GUPTA, K-119 GROUND FLOOR, HAUZ KHAS, NEW DELHI-110016.

Inventors :

DR. VINAY KUMAR &  
SMT. SANTOSH GUPTA (INDIA).

Application for Patent No. 517/Del/91 filed on 14-6-91.

Complete left after Provisional Specification filed on 23-8-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 7 Claims

The Two-in-one room conditioner comprises of a closed cabinet with controls and accessories, wherein a water overflow pipe with a stop valve is provided in the wall of the cabinet at a height invariably lower than the lowest height of the hole in nozzles from the bottom, and the cabinet has two removable covers over the two openings on opposite ends, one cover over the air outlet end and other cover for putting over the replaceable air filter fitted on the air suction end whereas, excepting the interior portion of the chamber(s) housing the fan(s) near the said opening(s) created by the partition plate(s) together with the portion in the neighbourhood of partition plate(s), the remaining interior portion of the cabinet is partitioned by number of hollow baffle plates in the form of closed box of two different configurations, each containing electrical heating element(s) connected with each other in series with connection to a contactor and a regular forming an electric circuit to heat the air flowing past the baffle plates, while the small gaps present in between the neighbouring said baffle plates contain number of fine nozzles in different orientations on the water delivery pipeline having water under pressure to generate water mist to cool the air which flows in the zig-zag path through the said baffle plates with the help of electric fan(s) of variable speed having thermal protector(s) at either or both air openings to suck and/force air in the cabinet.

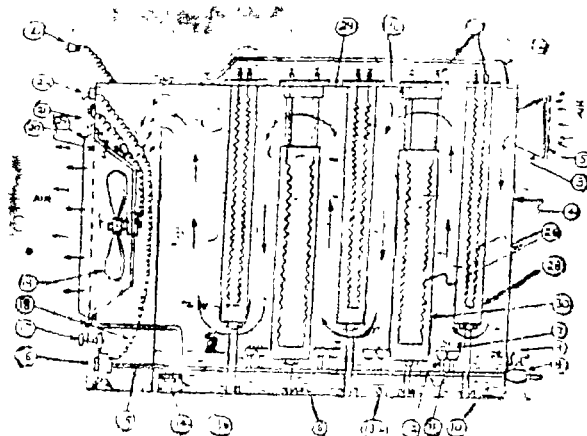


FIG 1

Provl. Specn. 13 Pages.

Compl. Specn. 36 Pages;

Drgn. 4 Sheets.

Ind. Cl. : 80 K, 89

185322

Int. Cl.<sup>1</sup> : G 01 F—1/34

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

**"A FILTER TESTING MACHINE".**

Applicant : PUROLATOR INDIA LIMITED, AN INDIAN COMPANY OF 1 SRI AUROBINDO MARG, NEW DELHI-110016, INDIA.

Inventor(s) :

ARUN JAIN—INDIA,

ANIL DESHPANDE—INDIA AND

SURESH REDHU—INDIA.

Application for Patent No. 876/Del/91 filed on 19th Sep. 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

**7 Claims**

A filter testing machine for determining the presence of a leakage in the seamed bowl of a filter comprising a platform (D) for supporting a housing (B) having a chamber (H) therein and being supported removably on said platform a holder (E) extending upwardly from said platform and into said chamber being provided for holding a filter (A) to be tested, high pressure air supply means provided to supply air within said filter when held to said holder, a pressure sensing means in flow communication with said chamber for sensing the presence of high pressure air within said chamber and upon occurrence of a leakage in said filter, said sensing means connected to a signal means for providing an indication of a leakage.

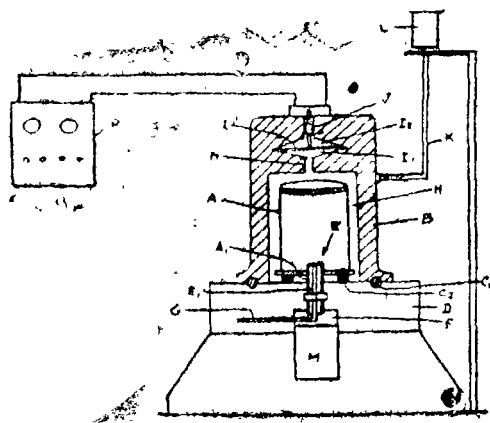


Fig. 1

(Compl. Specn. : 9 pages;

Drg. : 1 sheet)

Ind. Cl. : 127D

185323

Int. Cl.<sup>1</sup> : F-16H-47/00**A DEVICE FOR CONTROLLING A ROLLER IN A CONTINUOUSLY-VARIABLE-RATIO TRANSMISSION (CVT) OF THE TOROIDAL-RACE ROLLING-TRACTION TYPE.**

Applicant : TOROTRAK (DEVELOPMENT) LIMITED, A BRITISH COMPANY REGISTERED IN ENGLAND, OF 101 NEWINGTON CAUSEWAY, LONDON SE1 6BU, ENGLAND.

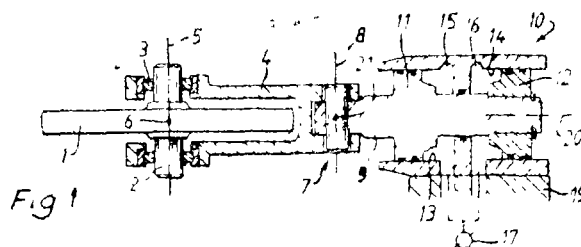
Inventors : THOMAS GEORGE FELLOWS, ENGLAND.

Application for Patent No. 1227/Del/91 filed on 12-12-91.

Convention Application No. 9027795.5/U.K./21-12-90.

**8 Claims**

A device for controlling a roller in a continuously-variable ratio transmission (CVT) of the toroidal-race, rolling-traction type wherein a roller assembly comprises a carriage (4) comprising rigid structure and bearings (3, 3a) mounted thereon and a roller (1) mounted to spin in those bearings, (3, 3a) said roller (1) being in contact with coaxial rotatable discs presenting input and output races conforming to different parts of the surface of a single torus whereby said roller (1) is subjected to traction forces at the disc/roller (1) contacts, and a reciprocal carriage positioning means (10) moveable over a predetermined stroke of operating movement for contacting and applying a predetermined control force to the carriage (4) and wherein the roller axis (5) is fixed relative to the rigid structure which contacts said carriage positioning means (10) at a location displaced from the roller axis (5), said roller assembly being in three point contact with adjacent components, i.e. the two disc/roller contacts and the contact with the operating mechanism (10), and said roller centre (6) is moveable along the roller axis, (5) relative to the rigid structure of the carriage, (4) and said rigid structure of the carriage (4) and the operating mechanism (10) are connected by way of a hinged joint (7) with a single degree of freedom.



(Compl. Specn. 11 Pages;

Drgn. 1 Sheet).

Ind. Cl. : 129 G

185324

Int. Cl.<sup>1</sup> : C21D 7/02**AN APPARATUS FOR PRODUCING SHEET ARTICLES.**

Applicant : GEORGE WALLACE MCDONALD, A BRITISH CITIZEN OF MON CACHET, RUE DE LA CACHE, CASTEL, GUERNSEY, CHANNEL ISLANDS.

Inventor : GEORGE WALLACE MCDONALD, (U.K.).

Applicatoin for Patent No. 789/Del/92 filed on 3-9-92.

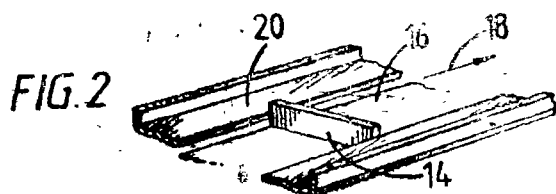
Convention date 6-9-91/9119132.0 (U. K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

**7 Claims**

An apparatus for producing sheet articles comprising a hopper (12) to supply a concertina folded sheet (10) to a conveyor located adjacent the said hopper (12), said conveyor (16) adapted to convey said folded sheet (10) to an adhesive station (46, 50) adjacent (44, 46) said conveyor (16), applying means (30, 42) adjacent (32, 40) said conveyor to provide said concertina folded sheet (70) with at least one still portion (22, 24) at a segment of said concertina folded sheet (10), characterized in that there is provided adjacent said conveyor (16) holding means (26) to maintain said sheet (10) folded during at least part of approach of said folded sheet (10) to said applying means (30, 42) to provide said at

least one segment, said holding means (20) having maintainance means (14, 70, 71) which bear against said sheet (10) to keep it folded before and throughout the provision of said stiff segment.



Compl. Specn. 21 Pages;

Drgn 10 Sheets.

Ind. Cl. : 32 F (2a)

185325

Int. Cl. : C07C, 10/48

AN IMPROVED PROCESS FOR THE PREPARATION OF  $\alpha$  &  $\beta$  NAPHTHOL BY HYDROXYLATION OF NAPHTHELENE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

PAUL PATNASAMY, INDIA,  
ROBERT RAJA, INDIA,  
PRAMOD PRABHAKAR MOGHIF, INDIA,  
MADHAV GOFAL KOTASTHANE, INDIA,  
ASHWINI VINAYAK POL, INDIA,  
PRAKASH KONDIJA BAHIRAT, INDIA.

Application for Patent No. 393/Del/96 filed on 23-02-96

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

An improved process for the preparation of  $\alpha$  and  $\beta$  naphthols by hydroxylation of naphthalene which comprises of reacting naphthalene with hydrogen peroxide in the presence of a solid catalyst containing an organotransition metal complex wherein some or all of the hydrogen atoms of the said organotransition metal complex have been substituted by one or more electron withdrawing groups, at a temperature in the range of 20°C to 85°C, in the presence of solvents, and optionally with promoter, isolating the naphthols formed by conventional methods.

Compl. Specn. 16 Pages,

Drgn. Sheet Nil.

Ind. Cl. : 32F (b)

185326

Int. Cl. : C 07 F - 21/00.

AN IMPROVED CATALYTIC PROCESS FOR THE PRODUCTION OF PSEUDOSAPOGENIN DIACETATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

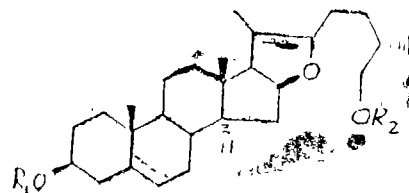
1. PARINITA BORAH, INDIA  
2. PRITISH KUMAR CHOWDHURY, INDIA.  
3. ANIL C. GHOSH, INDIA

Application for Patent No. 1805/Del/96 filed on 14-08-96.

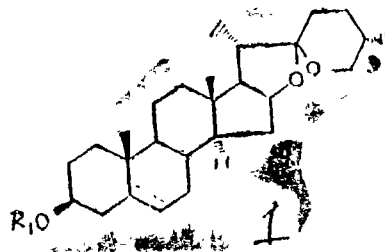
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

An improved catalytic process for the production of pseudosapogenin diacetate of the formula 2



where  $\Delta$  5, 6,  $R_1=R_2$ =acetate from sapogenin of the formula 1



where  $\Delta$  5, 6,  $R_1$ =Acetate which comprises :

(a) Acetylating by conventional methods the sapogenin of the formula 1 where  $\Delta$  5, 6,  $R_1$ =acetate by refluxing in conventional acetylating agent in the presence of lewis acid catalyst such as magnesium iodide - diethyl ether, chlorotrimethyl silane and recovering by conventional chromatography pseudosapogenin diacetate of the formula 2 where  $\Delta$  5, 6,  $R_1$ = $R_2$ =acetate.

(Compl. Specn. 13 Pages;

Drgn. 1 Sheet)

Ind. Cl. : 40 F

185327

Int. Cl. : C 04 B-35/02

A PROCESS FOR PREPARING A COHERENT REFRACTORY MASS ON A SURFACE BASED ON A SILICON COMPOUND.

Applicant : GLAVERBEL, OF CHAUSSEE DE LA HULPE, 166 B-1170 BRUSSELS, BELGIUM.

Inventors :

JEAN-PIERRE MEYNCKENS, BELGIUM,  
LEON-PHILIPPE MOTTET, BELGIUM.

Application for Patent No. 520/Del/92 filed on 16th June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

## 7 Claims

A process for preparing a coherent refractory mass on a surface based on a silicon compound, comprising projecting in a conventional manner against the said surface, simultaneously with oxygen, a mixture comprising refractory particles and combustible particles such as herein described which react in an exothermic manner with the projected oxygen by releasing sufficient heat to form the refractory mass, under the action of heat of combustion, characterized in that said mixture comprises (i) not more than 15% by weight of combustible silicon particles, (ii) at least 70% by weight of refractory particles of silica or silicon carbide, and up to 25% by weight of, (iii) additive particles of MgO, CaO and/or FeO which during the formation of the refractory mass, causes incorporation of silica, formed by combustion of the silicon particles, into a crystalline lattice and/or, (iiib) additive particles of peroxide, carbide, nitride or silicate which during the formation of the refractory mass, generates MgO, CaO or FeO which causes incorporation of silica, formed by the combustion of the silicon particles, into a crystalline lattice.

(Compl. Specn. 12 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 32 F (2b).

185328

Int. Cl.<sup>4</sup> : C 07 D 209/10.

## PROCESS FOR THE PREPARATION OF INDOLIN-2-ONE DERIVATIVES OR ONE OF THEIR SALTS SOLVATES OR HYDRATES.

Applicant : SANOFI, A FRENCH COMPANY, OF 32-34, RUE MARBEUF, 75008 PARIS, FRANCE.

Inventors :

1. LOIC FOULON—FRANCE.
2. GEORGES GARCIA—FRANCE.
3. CLAUDINE SERRAD-IL-LE GAL, FRANCE &
4. GERARD VALETTE—FRANCE.

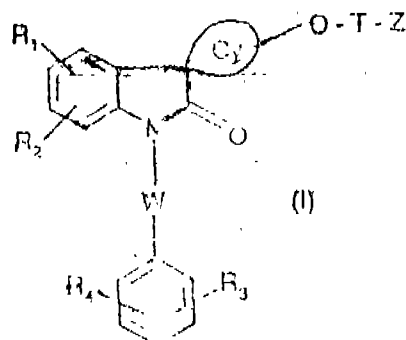
Application for Patent No. 2288/Del/96 filed on 23rd Oct. 1996.

Convention Application No. 9512533/FR/24-10-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 7 Claims

Process for the preparation of indolin-2-one derivatives of formula (I) or one of their salts, solvates or hydrates :



in which :

—R<sub>1</sub> and R<sub>2</sub> each independently represent a hydrogen; a hydroxyl; a halogen; a (C<sub>1</sub>-C<sub>7</sub>) alkyl; a (C<sub>1</sub>-C<sub>7</sub>) polyfluoroalkyl; a (C<sub>1</sub>-C<sub>7</sub>) alkoxy; a (C<sub>1</sub>-C<sub>7</sub>)-alkylthio; a (C<sub>1</sub>-C<sub>7</sub>) polyfluoroalkoxy; a (C<sub>2</sub>-C<sub>7</sub>)-cycloalkoxy; a (C<sub>2</sub>-C<sub>7</sub>) cycloalkylthio; a cycloalkylmethoxy or a cycloalkylmethylthio in which the cycloalkyl is C<sub>3</sub>-C<sub>7</sub>; a phenoxy; a benzyloxy; a nitro; or a cyano;

—R<sub>3</sub> and R<sub>4</sub>, independently of one another, substitute the phenyl group one or a number of times and each independently represent a hydrogen; a halogen; a (C<sub>1</sub>-C<sub>7</sub>) alkyl; a (C<sub>2</sub>-C<sub>7</sub>) alkenyl; a (C<sub>1</sub>-C<sub>7</sub>) polyhaloalkyl; a phenyl or a benzyl; a cyano; a nitro; an -NR<sub>5</sub>R<sub>6</sub> group; a hydroxyamino; a hydroxyl; an OR<sub>7</sub> group; an SR<sub>7</sub> group; a -COOR<sub>8</sub> group; a -CONR<sub>9</sub>R<sub>10</sub> group; or a -CSNR<sub>9</sub>R<sub>10</sub> group, at least one of the R<sub>5</sub> and R<sub>6</sub> radicals being other than hydrogen;

—R<sub>5</sub> and R<sub>6</sub> each independently represent a hydrogen; a (C<sub>1</sub>-C<sub>7</sub>) alkyl; a (C<sub>2</sub>-C<sub>7</sub>) alkenyl; a phenyl; a benzyl; a

(C<sub>1</sub>-C<sub>7</sub>) alkylcarbonyl; a (C<sub>1</sub>-C<sub>7</sub>) thiocarbonyl; a (C<sub>3</sub>-C<sub>7</sub>) cycloalkylcarbonyl; a (C<sub>3</sub>-C<sub>7</sub>) cycloalkylthiocarbonyl; a benzoyl; a thienylcarbonyl; a furylcarbonyl; a (C<sub>1</sub>-C<sub>7</sub>) alkyl-oxycarbonyl; a phenoxycarbonyl; a benzyloxycarbonyl; a carbamoyl or a thiocarbamoyl which is unsubstituted or substituted by R<sub>9</sub> and R<sub>10</sub> or alternatively R<sub>5</sub> and R<sub>6</sub> form, with the nitrogen atom to which they are bonded, a heterocyclic group chosen from the pyrrolidine, pyrroline, pyrrole, indoline, indole and piperidine groups;

—R<sub>7</sub> represents a (C<sub>1</sub>-C<sub>7</sub>) alkyl; a (C<sub>2</sub>-C<sub>7</sub>) alkenyl; a phenyl; a benzyl; a (C<sub>3</sub>-C<sub>7</sub>) cycloalkyl; a (C<sub>1</sub>-C<sub>7</sub>) polyfluoroalkyl; a formyl; a (C<sub>1</sub>-C<sub>7</sub>) alkylcarbonyl; a benzoyl; or a benzylcarbonyl;

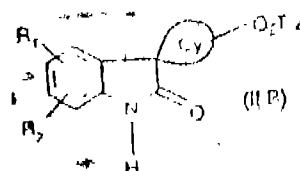
—R<sub>8</sub> represents a hydrogen; a (C<sub>1</sub>-C<sub>7</sub>) alkyl; a phenyl; or a benzyl;

—R<sub>9</sub> and R<sub>10</sub> each independently represent hydrogen; a (C<sub>1</sub>-C<sub>7</sub>) alkyl; a (C<sub>1</sub>-C<sub>7</sub>) polyfluoroalkyl; a (C<sub>2</sub>-C<sub>7</sub>) alkenyl; a (C<sub>3</sub>-C<sub>7</sub>) cycloalkyl optionally substituted by a hydroxy (C<sub>1</sub>-C<sub>4</sub>) alkyl; a pyridyl; a phenyl; a thienyl; a furyl; or alternatively R<sub>9</sub> and R<sub>10</sub> form, with the nitrogen atom to which they are bonded, a heterocyclic group chosen from the pyrrolidine, piperidine or piperazine groups, which is unsubstituted or substituted by (C<sub>1</sub>-C<sub>4</sub>) alkyls; or a (C<sub>4</sub>-C<sub>7</sub>) azacycloalkyl;

—W represents a —CH<sub>2</sub>— or —SO<sub>2</sub>— group,

—Cy forms, with the carbon to which it is bonded, a non-aromatic, saturated or unsaturated C<sub>3</sub>-C<sub>12</sub> hydrocarbon ring which is optionally condensed or substituted by one or a number of (C<sub>1</sub>-C<sub>7</sub>) alkyl groups, it being possible for the said groups to substitute the same carbon atom one or a number of times, or by a C<sub>3</sub>-C<sub>6</sub> spirocycloalkyl;

—T represents a (C<sub>1</sub>-C<sub>4</sub>) alkylene which is optionally interrupted by a (C<sub>3</sub>-C<sub>6</sub>) cycloalkylene, the said alkylene optionally being substituted one or a number of times on characterized in that a compound of formula :



in which R<sub>1</sub>, R<sub>2</sub>, Cy, T and Z are as defined for (I), is reacted with a compound of formula :



in which W, R<sub>1</sub> and R<sub>2</sub> are as defined for (I) and Hal represents a halogen atom, in an anhydrous solvent, such as

dimethylformamide or tetrahydrofuran in the presence of a metal hydride, such as, for example, sodium hydride, or an alkali metal alkoxide, such as, for example, potassium, tert-butoxide, at temperatures of between -40° and 25°C.

(Compl. Specn. 85 Pages;

Drng. Nil Sheet)

Ind. Cl : 32 Fata and b) and 55F.

185329

Int. Cl : A 61 K 31/00.

# AN IMPROVED PROCESS FOR THE PREPARATION OF A THIOL MODIFIER PHOSPHORAMIDITE REAGENT

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

1. PRADEEP KUMAR—INDIA.
2. KAILASH CHAND GUPTA—INDIA.

Application for Patent No. 2337/Del/96 filed on 29 Oct. 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 10 Claims

An improved process for the preparation of a thiol modifier phosphoramidite reagent of formula 1 :

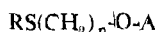


Figure 1

Where R represents a protecting group derived from substituted aryl carbinol of formula 2 wherein X=zero or 1 and B=OCH<sub>3</sub> or H group. n shows the number of carbon atoms in the linker arm and A represents 2-cyanoethylphosphoramidite moiety for the incorporation of mercaptoalkyl group at the 5' -terminus of synthetic oligonucleotides which, comprises :

- (i) treating the aryl carbinol of formula 2

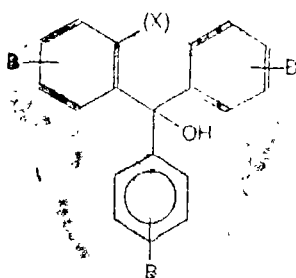


Figure 2

wherein X represent zero or 1 and B represents OCH<sub>3</sub> or H with 4-methoxyphenylthionophosphine sulfide dimer in a conventional anhydrous non polar aromatic organic solvent to obtain substituted aryl methyl mercaptan,

- (ii) treating the said substituted aryl methyl mercaptan with n-haloalkanol in an alkanol having C<sub>1</sub>-1, 2, 3 in presence of alkali,

- (iii) concentrating the reaction mixture obtained in step (ii) on a rotary evaporator to a syrupy mass of s(aryl methyl)-n-mercapto alkanol,

- (iv) dissolving the said syrupy mass in crude form obtained in step (iii) in non-polar organic solvent followed by washing with water,

- (v) collecting the organic phase obtained in step (iv) and evaporating on a rotary evaporator to a thick syrup followed by purification by silica gel column chromatography to get (aryl methyl)-n-mercapto alkanol,

- (vi) collecting the pure fractions of the said mercapto alkanol concentrating and drying in a vacuum dessicator to get the residue of mercapto alkanol,

- (vii) dissolving the said residue obtained in step (vi) in dry aprotic polar organic solvent and adding conventional tertiary amine,

- (viii) cooling of the reaction mixture obtained in step (vii) to a temperatures of 20—0°C followed by addition of 2-cyanoethyl-chloro-N, N-diisopropylaminophosphoramidite reagent.

- (ix) stirring the said reaction mixture obtained in step (viii) at an ambient temperature for 0.5 to 3 hr and then quenching the reaction with dry alkanol,

- (x) diluting the reaction mixture obtained in step (ix) with an aprotic polar organic solvent and washing with sodium carbonate and saturated sodium chloride solutions, respectively,

- (xi) concentrating the organic phase followed by purification by silica gel column chromatography,

- (xii) concentrating the pure fractions obtained in step (xi) and drying under vacuum to get thiol modifier phosphoramidite reagent of formula 1 and drying under vacuum.

(Compl. Specn. : 25 Pages;

Drng. : 1 Sheet)

Ind. Cl. : 55E1.

185330

Int. Cl : A 61K 31/00.

# AN IMPROVED PROCESS FOR THE PREPARATION OF 2-CYANOPYRAZINE USING NOVEL VANADIUM TITANIUM.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

1. POTHARAJU SEETHARAMANJANEYA SAI PRASAD—INDIA
2. VATTIKONDA VENKAT RAO—INDIA
3. KUMARAJU SEETHA RAMA RAO—INDIA
4. NAKKA LINGAIAH—INDIA
5. PANJA KANTA RAO—INDIA
6. ALLA VENKATA RAMA RAO—INDIA

Application for Patent No. : 393/Del/98 filed on 13-2-98.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.



Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 9 Claims

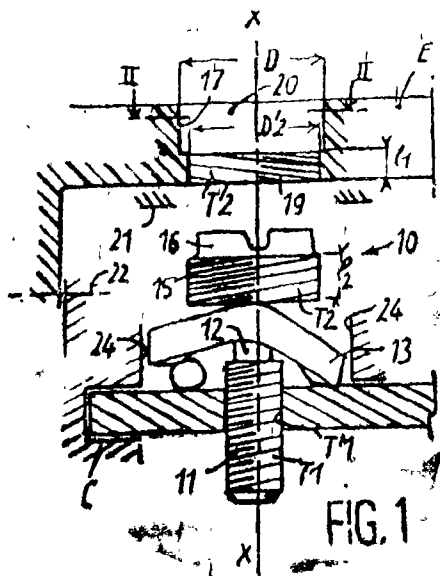
An electrical apparatus comprising at least one connecting terminal which has a screw with a head, a screwthreaded shank and a captive clamping washer between the head and the screwthreaded shank,

— the screwthreaded shank being cooperable with a screwthreaded clamping hole provided in a fixed conductive part of the apparatus to enable clamping of a conductor between the clamping washer and the fixed part,

— the screwhead having a screwthreaded part adapted to cooperate with a retaining screwthread in a cylindrical hole in a cap of the apparatus, characterised in that,

— the retaining screwthread (T'2) is provided on an inner part (19) of the cylindrical hole (17) in the cap (E),

— the remaining outer part (20) of the cylindrical hole (17) is greater in diameter than the diameter of the inner part of the cylindrical hole and long enough to accommodate most of the length (L<sub>2</sub>) of the screwthreaded part (15) of the head (10) of the screw (A), and wherein the length of the remaining outer part is greater than the length of the retaining screwthread on the inner part of the cylinder hole.



(Compl. Specn : 11 Pages;

Drgn. 1 Sheet)

Ind. Cl. : 34 A.

185334

Int. Cl.<sup>4</sup> : C 08 J 9/00.

## A PROCESS FOR THE PRODUCTION OF A LIGHT CELLULAR PLASTIC PRODUCT WITH CLOSED CELLS.

Application : POLYNOR PARTNERS AS, RADHUSGATEN 7B, N-0151 OSLO, NORWAY (A NORWEGIAN COMPANY).

Inventor : STEINAR SPYDEVOLD.

Application No. : 886/Mas/94 filed on 12th September 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch.

## 5 Claims

A process for the production of a light cellular plastic product with closed cells from a plastic composition such as herein described containing chemical blowing agent and optionally other process regulative substances and additives such as herein described, said process comprising the steps of : (a) melting and kneading mechanically the plastic processing machine for homogenisation. (b) transferring the said

plastic composition to a closed cavity in combination with optional decomposition regulative additives such as herein described after the plastic composition has attained a temperature sufficient for the decomposition of the blowing agent and before the decomposition of the blowing agent starts, (c) filling the closed cavity fully with the said plastic composition and maintaining the temperature of the said plastic composition in the said closed cavity at a temperature of the blowing agent in the plastic composition till a desired degree of decomposition is obtained, while, the pressure in the closed cavity is kept sufficiently high for not allowing the plastic composition to expand or to expand to only a negligible degree during the decomposition of the blowing agent, (d) reducing the pressure in the closed cavity when the desired degree of decomposition is obtained for allowing the plastic composition to expand and obtaining the said light cellular plastic product with closed cells

(Compl. Specn. : 23 Pages;

Drgns. : Nil Sheet)

Ind. Cl. : 32 E &amp; 32 B

185335

Int. Cl.<sup>4</sup> : C 08 F 110/02A PROCESS FOR THE POLYMERIZATION OF ETHYLENE EITHER ALONE OR WITH ONE OR MORE  $\alpha$ -OLEFINS WITH 3-12 CARBON ATOMS.

Applicant : DSM N V, OF HET OVERLOON 1, 6411 TE HEERLEN, THE NETHERLANDS, A NETHERLANDS COMPANY.

Inventors :

1. NICOLAAS HENDRIKA FRIEDERICH.
2. JOHANNUS ANTONIUS MARIA VAN BEEK.
3. JOSEPH ANNA JACOB HAHNRATHS.
4. RUTGERUS ANTONIE JACOBUS POSTEMA.

Application No. 939/Mas/94 filed on 27th September 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Chennai Branch

## 9 Claims

A process for the polymerization of ethylene either alone or with one or more  $\alpha$ -olefins with 3-12 carbon atoms and optionally with one or more non-conjugated dienes into polyethylene with a melt-index of 2.3-8.1, in solution at temperatures of 150°C or higher, in the presence of a catalyst system comprising a catalyst A and a cocatalyst B, wherein catalyst A is prepared by reaction of the following components :

(a) one or more organomagnesium compounds with alkyl and/or alkoxy groups bonded to the magnesium atom, in which the alkyl or alkoxy groups contain 1-20 carbon atoms;

(b) one or more chlorine-containing organoaluminium compounds and/or boron compounds that satisfy the general formula  $M(R)_3-mX_m$ , where M is aluminium or boron, R is a hydrocarbon group or an alkoxy group with 1-20 carbon atoms, X is a halogen atom and m has a value of 1-2, in the event that m=1, the alkyl and/or alkoxy groups of the aluminium may be the same or different;

(c) one or more oxygen-containing compounds, selected alcohols, glycols, silanols and ethers;

(d) one or more transition metal compounds with alkyl, alkoxy and/or halogenide groups bonded to the transition metal; wherein the transition metal is at least one selected from the group consisting of titanium, zirconium, hafnium and vanadium in the order (a), (b), (c), (d), or (a), (b), (d), (c) or (a), (b) and a reaction product of (c) and (d); (e); following which catalyst A is washed and used in such a quantity that the atomic ratio of aluminium and/or boron of (b) to magnesium of (a) is between 2 and 15, the atomic ratio of magnesium of (a) to transition metal from (d) or

(e) is between 3 and 100, the atomic ratio of oxygen from (c) or (e) to the magnesium of (a) is between 0.1 and 5; and

and catalyst B is one or more organoaluminium compounds and/or boron compounds and thereafter recovering the polyethylene produced from the reaction mixture in a known method

Compl. Specn. 24 Pages;

Drgs. Nil Sheet.

Ind. Cl. : 32 F<sub>3</sub> (a) & 32 F<sub>1</sub> 185336

Int. Cl.<sup>4</sup> : C 07 D 303/04, C 07 C 21/06,  
C 07 C 19/045, & C 07 C 69/01.

#### PROCESS FOR THE PRODUCTION OF A PARTIAL OXIDATION PRODUCT.

Applicant : THE BOC GROUP INC., (A DELAWARE CORPORATION, USA). OF 575 MOUNTAIN AVENUE, MURRAY HILL, NEW PROVIDENCE, NEW JERSEY 07974, USA.

Inventors :

1. RAMAKRISHNAN RAMACHANDRAN.
2. LOC DAO.

Application No. 940/Mas/94 filed on 27th September 1994.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office, Chennai Branch.

#### 11 Claims

A continuous process for the production of a partial oxidation product, such as herein described, comprising the steps of :

(a) reacting a mixture containing at least 90% by volume of alkene having 2 to 3 carbon atoms and the balance being the corresponding alkane, and an oxygen-containing gas in the presence of a partial oxidation catalyst, such as herein described, in a reaction zone under known conditions which result in the production of a gaseous product containing said partial oxidation product, unreacted alkene and alkane;

(b) recovering said partial oxidation product from said gaseous product in a known manner;

(c) selectively adsorbing the alkene from said gaseous product by passing said gaseous product through an adsorption zone containing an adsorbent, such as herein described, at a temperature in the range of about 50 to 250°C;

(d) regenerating said adsorbent to produce a alkene enriched gas stream; and

(e) recycling said alkene enriched gas stream to said reaction zone.

Compl. Specn. 29 Pages;

Drgs. 2 Sheets

Ind. Cl. : 32 F 1 185337

Int. Cl.<sup>4</sup> : C 07 C 19/08

#### A PROCESS FOR THE PURIFICATION OF 1, 1, 1, 2-TETRAFLUOROETHANE.

Applicant : ELF ATOCHEM S.A. FRENCH BODY CORPORATE OF 4 & 8 COURS MICHELET I.A DEFENSE 10, 92800 PUTEAUX, FRANCE.

Inventors :

1. BERNARD CHEMINAL.
2. ANDRE LANTZ.

Application No. 957/Mas/94 filed on 4th October 1994.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office, Chennai Branch.

#### 12 Claims

A process for the purification of a crude 1, 1, 1, 2-tetrafluoroethane containing unsaturated impurities, which process comprises treating, in the gaseous phase, a gaseous mixture of crude 1, 1, 1, 2-tetrafluoroethane, of hydrofluoric acid and of chlorine at a temperature of between 100 and 300°C and at a pressure from atmospheric pressure to 2.5 MPa, in the presence of a known fluorination catalyst, the molar ratio HF/1, 1, 1, 2-tetrafluoroethane being between 0.05 and 0.5 and molar ratio Cl<sub>2</sub>/1, 1, 1, 2-tetrafluoroethane being between 0.0001 and 0.1, and recovering the purified 1, 1, 1, 2-tetrafluoroethane in a known manner.

(Compl. Specn. 29 Pages;

Drgs. Nil Sheet)

Ind. Cl. : 129 G, 33 D

185338

Int. Cl.<sup>4</sup> : B 23 Q 1/16

#### A ROTOR FOR A MACHINE FOR REMOVING BURRS FROM SLABS ISSUING FROM A CONTINUOUS CASTING PLANT.

Applicant : SOLLAC, IMMEUBLE ELYSEES-LA DEFENSE-29 LE PARVIS, 92800 PUTEAUX, FRANCE; A FRENCH COMPANY.

Inventors :

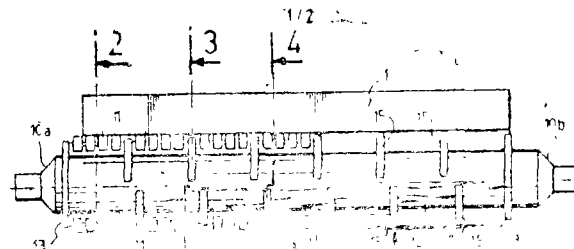
1. MEUINER JACQUES.
2. COPPIN FRANCIS.
3. DUVAL DOMINIQUE.

Application No 1003/Mas/94 filed on 18th October 1994.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office, Chennai Branch.

#### 4 Claims

Rotor for a machine for removing burrs from slabs issuing from a continuous casting plant and cut to the desired length by oxygen cutting, and rotor carrying on its periphery self-retractable hammers characterized in that it comprises a hub on which are fixed, at each end, a bearing flange in the form of a circular collar and, between said two bearing flanges, pairs of semi-bearing flanges in the form of semi-circular collars, which are adjacent and opposed, each pair of semi-bearing flanges being evenly spaced apart in the longitudinal direction of the hub and one of the semi-bearing flanges of said pair, and said bearing flanges and said semi-bearing flanges receiving a group of articulation pins parallel to the axis of the hub and carrying the hammers.



(Compl. Specn. 12 Pages;

Drgs. 2 Sheets)

Ind. Cl. : 99 D, E 22

185339

Int. Cl.<sup>4</sup> : B 65 D-41/67

#### A BOTTLE CAP FOR DISPENSING LIQUIDS FROM A BOTTLE.

Applicant : S & S INDUSTRIES & ENTERPRISES LIMITED, AARTI CHAMBERS II FLOOR, 189 ANNA SALAI, CHENNAI 600 006 TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

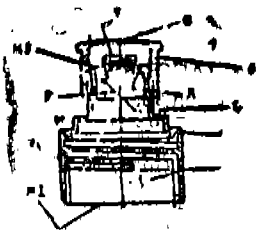
Inventor : I. PARAMESWARAN VENKATARAMANAN.

Application No. 1084/Mas/94 filed on 8th November 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 7 Claims

A bottle cap for dispensing liquids from a bottle comprising a base member and a spout member, the base member having a passage opening out, at the ends thereof, into first and second mouths the first mouth being fixable around the neck of an open bottle, while the second mouth encloses a centrally located stud to leave an annular gap therearound; the spout member being snugly and slidably fitted around the second mouth in push-pull relationship, and being provided with a centrally located orifice closely matching the stud, whereby whenever the spout member is pulled outwardly, liquid from within the bottle is dispensable through the annular gap and orifice, but whenever the spout member is pushed inwardly, the stud securely closes the orifice to prevent such liquid from being dispensed.



(Compl. Specn. 10 Pages;

Drgs. 1 Sheet)

Ind. Cl. : 8

185340

Int. Cl.<sup>4</sup> : G 08 B 17/10

#### FIRE ALARM SYSTEM FOR THE EARLY DETECTION OF FIRES.

Applicant : SIEMENS BUILDING TECHNOLOGIES AG., A SWISS COMPANY OF BELLERIVESTRASSE 36, 8008 ZURICH, SWITZERLAND.

Inventor : I. MARC PIERRE THUILLARD.

Application No. 1092/Mas/94 filed on 09th November 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 8 Claims

A fire alarm system for the early detection of fires, comprising at least one linear smoke detector, one scattered light detector or one flame detector and a signal processor for processing the signals generated in the at least one detector, wherein the signal processor (3) comprises an evaluation circuit, a fuzzy controller (5) and an estimation stage (4) for the time analysis of the signals for the purpose of estimating at least two signal parameters, consisting linguistic variable of the fuzzy controller (5).

(Compl. Specn. 14 Pages;

Drgs. 3 Sheets)

Ind. Cl. : 27 N.

185341

Int. Cl.<sup>4</sup> : E 04 H 15/44, 15/50.

#### A COLLAPSIBLE SHELTER.

Applicant : MARK CLAYTON CARTER OF 10131 KERNWOOD COURT ALTA LOMA, CALIFORNIA 91737, UNITED STATES OF AMERICA.

Inventor : MARK CLAYTON CARTER.

Application No. : 840/Cal/95 filed on 24-7-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 10 Claims

A collapsible shelter (210) comprising :

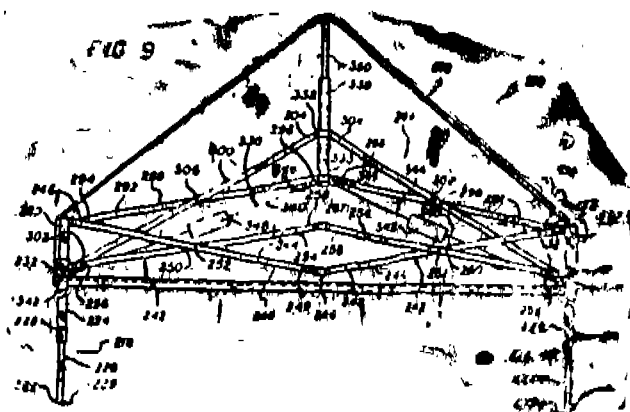
a canopy (212) having at least three sides (214) and at least three corners (216);

at least three vertically disposed legs (218) supporting said canopy, with one of said legs disposed under each of said canopy corners, each of said legs having an upper end (220) and a lower end (222);

at least two perimeter truss pairs (242) of link members (244, 254) formed of X-shaped linkages connected to each of said legs, each of said perimeter truss pairs of link members comprising first (244) and second (254) link members, said first link member (244) having an outer end (246) connected to the upper end of one said leg, and said second link member (254) having an outer end (256) slidably connected to said leg, characterised in that :

Said first and second link members (244, 254) are pivotally connected together (252) in a scissors configuration so as to be extendable above said legs (218) by compression of said outer ends (246, 256) of said perimeter truss pairs of link members; and

at least two central truss pairs (288) of link members (292, 300) formed of X-shaped linkages as provided, each of said central truss pairs of link members comprising first (292) and second link (300) members connected together (298) in a scissors configuration, each of said central truss pairs having outer ends (294, 302) connected to the inner ends (248, 258) of at least one said perimeter truss pair (242), said first and second link members (292, 300) being pivotally connected together in a scissors configuration so as to be extendable above said legs (218) by compression of said outer ends (294, 302) of said central truss pairs (288), said second link members (300) of the central truss pairs (288) being longer than the first link members (292) of the central truss pairs, so that when said outer ends (294, 302) of said central truss pairs are compressed, the second link members (300) extend above the upper ends of the legs (218).



(Compl. Specn. : 29 Pages;

Drgs. : 11 Sheets)

Ind. Cl. : 63 B 63 L

185342

Int. Cl.<sup>4</sup> : H 02 K 15/02.

# A SKEW ANGLE SETTING TOOL.

Applicant : GENERAL ELECTRIC COMPANY OF 1 RIVER ROAD, SCHNECTADY 12345, STATES OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : ROBERT ADDISON DUNLAP.

Application No. : 843/Cal/95 filed on 24-7-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 16 Claims

A skew angle setting tool for orienting the skew pin (46) having a mandrel (42) for stacking rotor laminations (52) used in a dynamoelectric machine, said skew pin (46) being movable to at least one predetermined angular orientation with respect to the axis of the mandrel, said tool comprising :

Skew pin (46) angle indicating means (48, 94, 102, 118 and 122) for facilitating adjustment to the skew pin (46) to a desired angular orientation relating to the mandrel (42) and

height selection means (106, 108, 110, 116, 114) for selecting and setting the location of said skew pin angle indicating means to the desired location corresponding to the lamination stack height along the length of the mandrel (42).

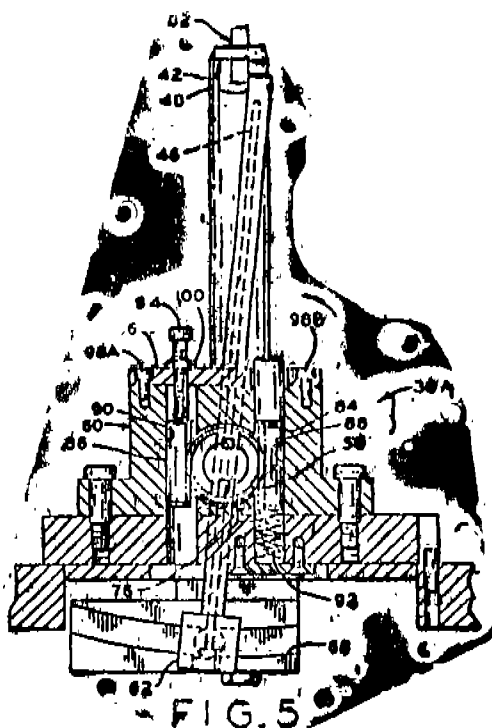


FIG. 5

(Compl. Specn. : 24 Pages;

Drgms. : 8 Sheets)

Ind. Cl. : 158 D/158A.

185343

Int. Cl.<sup>4</sup> : B 62 D 11/20.

# SELF STEERING DEVICE FOR INDIAN RAILWAYS RIDE CONTROL WAGON BOGIES.

Applicant : RAWATS INTERNATIONAL (P) LTD. OF SK. STEPHEN COURT, 18 A PARK STREET, CALCUTTA-700 071, WEST BENGAL, INDIA.

Inventor : SRI K. BRAMHAM.

Application No. : 1180/Cal/95 filed on 29-9-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 2 Claims

Self steering device for Indian Railways ride control wagon bogies to provide the essential plays of the wheel and axle, the device being fitted at each end of the axle above the bogies standard adaptor which comprises (a) an adaptor top plate (1), (b) an intermediate rocker (2) and (c) an adaptor bottom plate (3) wherein :

(a) the adaptor top plate (1) is a flat member having a bearing recess (5) at the top surface for supporting bogie side frame and inner curved recess (6) at its inside face which form the upper part of an elliptical rocking surface for the intermediate rocker (2), the said member being also provided with elongated vertical slot (7) at the centre;

(b) the intermediate rocker (2) being a solid cylindrical member of substantially elliptical cross section having one projected round spigot (12) on its curved top surface to be freely accommodated inside the elongated slot (7) of the adaptor top plate (1) and two such projected spigots (13) on its lower curved surface to be fitted freely inside two such matching holes (14) of the bottom plate (3); and

(c) the adaptor bottom plate (3) which is the counter part of the adaptor top plate (1) and which is similarly provided with an elliptical inner curved recess (6') similar to that (6) of top plate thereby providing the lower part of an elliptical rocking surface for the intermediate rocker (2) and the bottom plate being further provided with two holes (143) to accommodate the two bottom spigots (13) of the intermediate rocker.

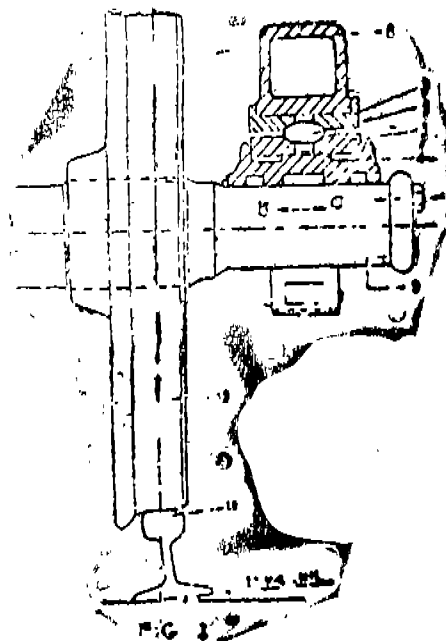


FIG. 1

Comp. Specn. 12 pages.

Drgms. 11 sheets.

Ind. Cl. : 105 C, 105 D1.

185344

Int. Cl.<sup>4</sup> : G 11 B 33/08.

# OBJECTIVE LENS DRIVING APPARATUS.

Applicant : DAEWOO ELECTRONICS CO. LTD. OF 541, 5GA, NAMDAEMOON-RO, JUNG-KU, SEOUL, REPUBLIC OF KOREA.

Inventor : LEE, KWANG-SUK.

Application No. : 1334/Cal/95 filed on 30-10-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

### 9 Claims

An objective lens driving apparatus comprising :

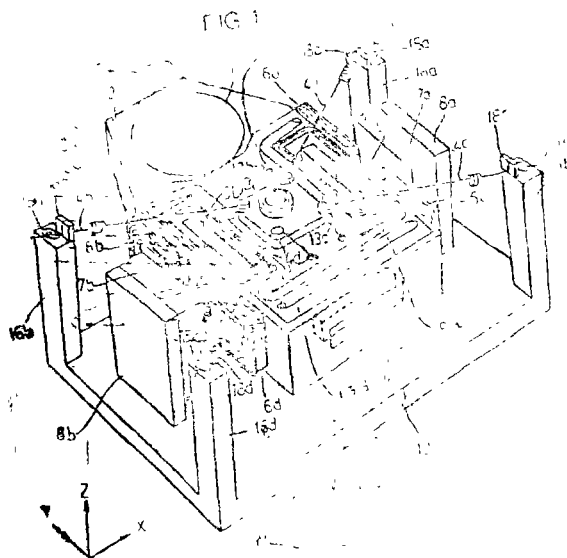
a base (30) provided with a plurality of focusing and permanent magnets (33a, 33b);

a supporting shaft (40) mounted on the upper surface of the base;

a lens holder (20) for holding an objective lens (21) at an extension thereof, the lens holder being rotatably and slidably fitted onto the supporting shaft at a position of the center of gravity of the lens holder and being provided with focusing coils (23a, 23b) and tracking coils (24a, 24b, 24c, 24d); characterised in that the lens holder is provided with one or more through holes (26a, 26b) disposed at side wall (25) thereof;

one or more elastic members (50a, 50b) extending through engaging holes (34a, 34b) formed at supporting post (35) and being fixed at one end thereof to the supporting post (35) by solder joints (51a, 51b) and at other end thereof to lens holder (20) being extended through the holes (26a, 26b) formed in side wall (25) in a plane including Y axis line jointing the supporting shaft axis and the objective lens center and Z axis line being axis line of the bearing bore (22); and

one or more damping members (60a, 60b) for preventing the vibration of the lens holder (20) from being transmitted to the elastic members (50a, 50b), the damping member (60a, 60b) being inserted between the through holes (26a, 26b) and the elastic members (50a, 50b) respectively.



(Compl. Specn. : 20 Pages;

Drgns. : 5 Sheets)

Ind. Cl. : 195 A. C

185345

Int. Cl.<sup>4</sup> : G 05 F — 5/00

### MONITORING SYSTEM FOR AN INDUSTRIAL PLANT.

Applicant : SIMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN, GERMANY.

Inventors :

1. HANS-GERD MEDERER
2. THORSTEN FUHRING
3. KONSTANTIN JACOBY
4. JIRI PANYR
5. RAINER MICHELIS

Application No. : 1350/Cal/95 filed on 30-10-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

### 5 Claims

Monitoring system for an industrial plant having a number of plant parts (ai),

— said monitoring system comprising elements (12—16) for obtaining process data (PD<sub>i</sub>) and being connected to an automation and information system (18a, 18b) for pre-processing said process data (PD<sub>i</sub>) into process parameters (Pi) and/or messages (Mi) containing said process data (PD<sub>i</sub>) along with identifiers identifying the respective plant parts (ai).

— said automation and information system (18a, 18b) being connected to an analysis module (20) for determining in each case the contextual similarity between two plant part (ai) in dependence of said process parameters (Pi) and/or messages (Mi).

— said analysis module (20) being connected to a positioning module (24) having first module means (24A) for assigning spatial coordinates to said plant parts (ai) the distance between the coordinates of respective two plant parts (ai) representing their contextual similarity,

— said position module (24) being connected to a graphic module (26) for displaying said plant parts (ai) in form of information elements I<sub>i</sub>(ai) on a display (28) on the basis of the spatial coordinates.

(Compl. Specn. 14 Pages;

Drgns. 3 Sheets)

Ind. Cl. : 68.

185346

Int. Cl.<sup>4</sup> : H 02 J — 9/00.

### A SYSTEM FOR APPORTIONING STANDBY POWER.

Applicant : THOMSON CONSUMER ELECTRONICS, INC. OF 10330 NORTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46290-1024. UNITED STATES OF AMERICA.

Inventors :

1. KENNETH JAY HELFRICH
2. PAULDISHAUN HENRY
3. KELVIN EUGENE NORTRUP

Application No. : 1501/Cal/95 filed on 22-11-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

### 8 Claims

A system for apportioning standby power, comprising :

a generator (64) for drive signal (H-DRIVE OUT);

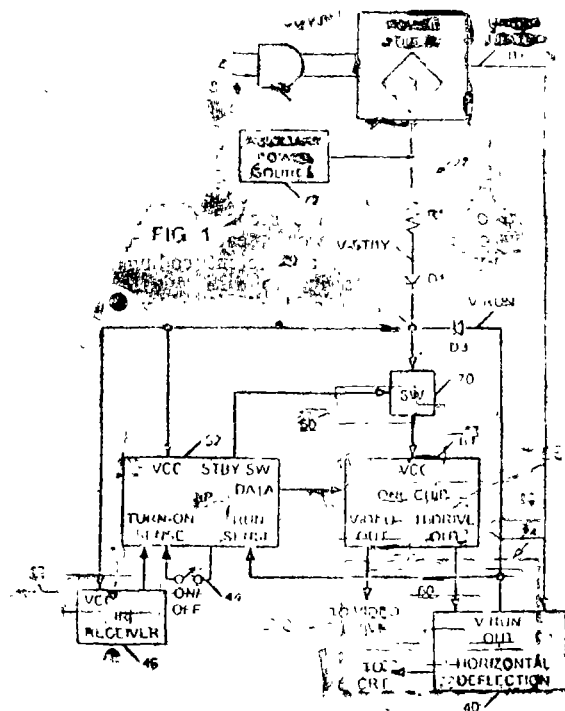
a run mode power supply (24) operable in response to said drive signal (H-DRIVE OUT); and,

a standby power supply (22);

characterized by,

a control circuit (50) for generating an on/off command (STBY-SW) responsive to an input signal (ON/OFF), said control circuit (50) implementing a first transition mode between standby and run modes of operation in which said control circuit (50) is energized by said standby power supply (22) in an active state and generates said on/off command signal (STBY-SW) and a second transition mode between said standby and run modes of operation in which said control circuit is energized by said standby power supply

(22) in a partially active state and generates said on/off command signal (STBY-SW) and said drive signal generator (64) is fully energized by said standby supply (22).



(Compl. Specn. : 16 Pages;

Drgns. : 4 Sheets)

Ind. Cl. : 136 E.

185347

Int. Cl.<sup>3</sup> : B 29 C 49/04

AN IMPROVED PLASTIC BOTTLE AND METHOD  
FOR ITS MANUFACTURE.

Applicant : GERND HANSEN OF HEERSTRASSE 16,  
74429 SULZBACH-LAUFEN, GERMANY.

Inventor : HANSEN BERND.

Application No. 167/Cal/96 filed on 31-1-96.

(Convention No. 19508326.1 filed on 9-3-95 in Germany.)

Appropriate Office for Oppositoin Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 11 Claims

An improved plastic bottle (1) comprising :

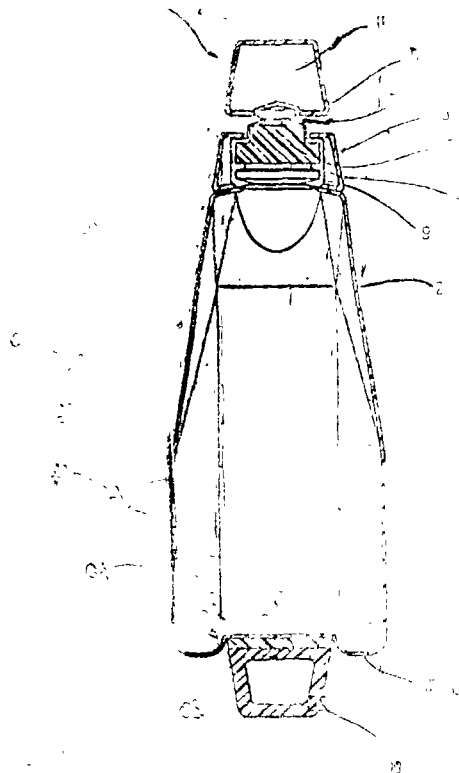
- a bottle body (2);
- a neck (3) on said bottle body;
- a head (5) on said neck characterized by a first separation area (7) between said head and said neck; and
- a second separation area (9) adjacent said neck and said bottle body
- an elastomeric plug located within said neck between said first separation area and said second separation area and sealing said neck, and surrounded by a part of said neck.

a neck (3) on said bottle body ;

a head (5) on said neck characterized by a first separation area (7) between said head and said neck; and

a second separation area (9) adjacent said neck and said bottle body

an elastomeric plug located within said neck between said first separation area and said second separation area and sealing said neck, and surrounded by a part of said neck.



(Compl. Specn. 10 Pages;

Drgns. 2 Sheets)

Ind. Cl. : 49 E

185348

Int. Cl.<sup>4</sup>: A 47 J 36/02

# A MEHOD FOR PRODUCING GENERALLY UNIFORMLY COOKED VEGETABLES USING MICROWAVE IRRADIATION IN A MICROWAVE OVEN.

Applicant: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION OF LIMESTONE AVENUE, CAMPBELL, AUSTRALIAN CAPITAL TERRITORY, 2612, AUSTRALIA.

**Inventors : MORRIS, STEPHEN, STEPHENS, BARBARA.**

Application No. 894/Cal/98 filed on 18-5-98.

(Convention Nos. P06871 and PP1522 filed on 19-5-1997 and 27-1-98 in Australia.)

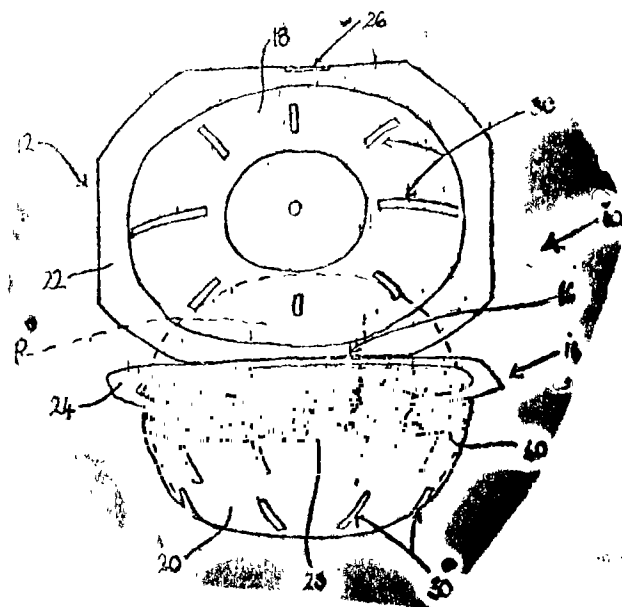
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 20 Claims

A method for producing generally uniformly cooked vegetables, such as herein described, using microwave irradiation in a microwave oven, said method comprising the steps of :

- (i) providing the concerned vegetable in a container device that is capable of allowing transmission therethrough of microwave radiation to reach the vegetable, the container device incorporating therein a shielding means, such as herein described, that is positioned adjacent to the vegetable when provided therein, such that, during irradiation, that part of the vegetable adjacent to the shielding means is shielded from microwave radiation thereby preventing overcooking of that vegetable part; and

(ii) positioning the vegetable and container device in the oven and irradiating the same with microwave radiation to cook the vegetable; and, optionally applying a microwave activated browning agent, such as herein described, to the surface of the vegetable prior to microwave irradiation.



(Compl. Specn. 21 pages.

Drgns. 2 Sheets)

Ind. Cl. : 206 E

185349

Int. Cl.<sup>4</sup> : H 03 M 7/42

DÉVICE FOR CODING BY CONVERTING A SERIES OF M-BIT INFORMATION WORDS INTO A SERIES OF N-BIT CODE WORDS AND FOR TRANSFER BY CONVERTING THE CODE WORDS INTO A MODULATED SIGNAL.

Applicant : KONINKLUKE PHILIPS ELECTRONICS N.V. 5F GROENEWOUDSEWEG 1, 5621 BA, EINDHOVEN, THE NETHERLANDS.

Inventor : WORNELIS ANTONIE SCHOUHAMER. IMMINK.

Application No. 1577/Cal/98 filed on 2-9-1998.

(Divided out of No. 136/Cal/95 antedated to 13-2-1995).

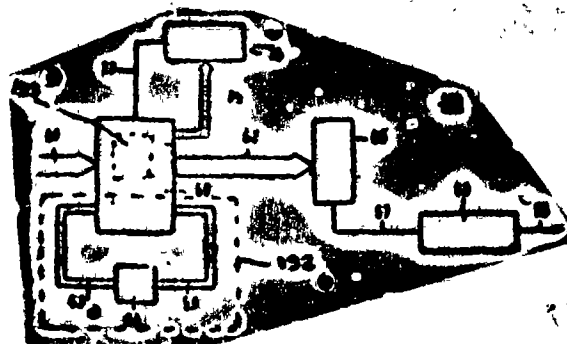
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 12 Claims

Device for coding by converting a series of m-bit information words (1) into a series of n-bit code words (4) and for transfer by converting the code words into a modulated signal (7), having the means for coding comprising an m-to-n bit converter (60) for converting the m-bit information words to n-bit code words by delivering one code word for one received information word,

state establishing means (192) for establishing a coding state (S1, S2, S3, S4) on the delivery of the code word, which converter comprises means (193) for selecting the code word from one of plurality of sets (V1, V2, V3, V4) of code word which one set is associated with a coding state established when the preceding code word was delivered, the means for transfer comprising modulation means (66, 68) for converting the n-bit code words to a modulated signal, characterised in that the state establishing means (192) are capable for establishing a coding state (S1, S4) of a first type each of the delivered code words belonging to a group

(G11, G12) of the first type, and for determining said coding state of the first type by said group of the first type, and for establishing a coding state (S2, S3) of a second type for each of the delivered code words belonging to a group (G2) of the second type, and for determining said coding state of the second type by said group of the second type and by the received information word, and in that the means (193) for selecting the code word are capable for selecting the code word from any set (V2, V3) of code words associated with a coding state (S2, S3) of the second type containing no code words in common with any other set (V2, V3) of code words associated with any other coding state (S2, S3) of the second type, and from at least one set (V1, V2, V3, V4) of code words comprising a code word of a group of the second type associated with a plurality of information words, each information word of said plurality establishing a different coding state of the second type, thereby allowing to distinguish the respective information words from said plurality by detecting the following code word.



(Compl. Specn. 32 pages.

Drgns. 20 Sheets)

Ind. Cl. : 55 E2

185350

Int. Cl.<sup>4</sup> : A 61 K 37/54, C 12 N 9/70

A PROCESS OF PREPARING STREPTOKINASE PROTEIN FROM E. COLI.

Applicant : DR. MUKHERJEE, KRISHNA JYOTI OF J-1, CLUSTER 9, PURBACHAL ESTATE, SALT LAKE CITY CALCUTTA-97, WEST BENGAL, INDIA. AND YAZDANI, SYED SHAMS OF J-1, CLUSTER 9, PURBACHAL ESTATE, SALT LAKE CITY, CALCUTTA-97, WEST BENGAL, INDIA.

Inventors :

DR. MUKHERJEE, KRISHNA JYOTI.  
YAZDANI, SYED SHAMS.

Application No. 791/Cal/99 filed on 16-9-1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 11 Claims

A process of preparing streptokinase protein from E. coli comprising :

Step (a)—synthesizing the streptokinase gene along with restriction endonuclease sites at 5' and 3' ends respectively, by polymerase chain reaction technique using primers and a plasmid from E. coli as a template, as herein described.

Step (b)—digesting said synthesized gene with the restriction endonucleases, as herein described.

Step (c)—digesting the T7 promoter based expression vector, which also contain E. coli signal sequence ompA, by said restriction endonucleases to get the linearized plasmid,

Step (d)—ligating the said synthesized digested gene with the said linearized plasmid to get the construct containing the streptokinase gene fused with ompA signal sequence under the control of T7 promoter,



Step (e)—co-transforming *E. coli* cells with the said construct containing the streptokinase gene and another plasmid containing a heat inducible T7 RNA polymerase gene for inducing streptokinase production,

Step (f)—growing said transformed *E. coli* cells in a fermentor at a pH between 6.5 to 7.5, temperature between 27°C to 30°C which repress the expression of streptokinase,

Step (g)—feeding concentrated media containing carbon and nitrogen sources in said fermentor at an exponentially increasing rate to get high cell density while maintaining a high specific growth rate,

Step (h)—the said feeding concentrated media also contain high concentrations of antibiotics, as herein defined, in order to prevent spontaneous emergence of non-streptokinase producing cells,

Step (i)—increasing the temperature of fermentor to 37°C at a biomass concentration between 5 to 15 dry cells weight per liter, thereby, turning on the expression (production) of streptokinase protein,

Step (j)—harvesting the cells between 1 to 4 hours after increasing the temperature to 37°C, and

Step (k)—extracting the streptokinase protein present in the periplasmic fraction of *E. coli* cells by known technique.

(Compl. Specn. 9 Pages;

Drgns. 2 Sheets)

#### RENEWAL FEES PAID

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#### PATENT SEALED ON 01-12-2000

183931 183955\*F 183957 183964\* 183966\* 183967 183970\*D  
183974 183976 183977 183978 183980\*

OAL-04. DEL-01. MUM-NIL. CHEN-07

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—DRUG PATENTS.

F—FOOD PATENTS.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in the each entries in the date of the registration included in the entries.

Class 1. No. 182046. Lingaraj Shantaligappa Patil, of 205 & 206, II Floor, Amarchand Sharma Complex, S. P. Road, Secunderabad-500003, Andhra Pradesh, India, an Indian Citizen. "RAIL SEAT". 6th April 2000.

Class 1. No. 182133 Nilesh Chandrakant Shah, An Indian National Residing at 6, Panchwati Society, New Junction Road, Surendranagar-363 001, Gujarat. "PRESSURE REGULATOR". 18th April 2000.

Class 3. No. 182818. Cavinkare Limited, an Indian Company, business at 130, Peters Road, Chennai-600086, Tamil Nadu, India. "SACHET WITH POURING DEVICE". 7th July 2000.

Class 3. Nos. 182720 & 182721. Prince Plastoware Limited of Marol Co-Op. Indl. Estate, M. V Road, Andheri (E), Mumbai-400059, Maharashtra, India "CHAIR". 26th June 2000 .

Class 3. No. 182594. Gillette Canada Company, 4, Robert Speck Parkway, Mississauga, Ontario L4Z, 4C5, Canada. "TOOTH BRUSH HANDLE". 12th June 2000.

Class 3. No. 182595. Gillette Canada Company, 4, Robert Speck Parkway, Mississauga, Ontario L4Z 4C5, Canada. "TOOTH BRUSH HANDLE". 12th June 2000.

Class 3. No. 182138. Canon Kabushiki Kaisha, of 30-2, Shimomaruko 3-Chome Tokyo, Ohta-Ku, Japan. "TONER CARTRIDGE". 18th April 2000.

Class 3. No. 182930. Cavinkare Limited, an Indian Company business at 130, Peters Road, Chennai-600086, Tamil Nadu, India. "CONTAINER". 18th July, 2000.

Class 3. No. 182166. V.I.P. Industries Limited, an Indian Company, DGP House, 88-C, old Prabhadevi Road, Mumbai-400025, Maharashtra, India. "SUITCASE". 24th April 2000.

Class 3. Nos. 182340 & 182342. Financiere Des Applications De L' Electricite S.A. Rue De Lusambo 67, B. 1190, Brussels Belgium, A Belgian Company. "LIGHTING APPARATUS". 15th May 2000.

Class 3. No. 182723. Gaurav Containers Limited, of 78, Virwani Industrial Estate, Off Western Express Highway, Goregaon (E), Mumbai-400063, Maharashtra, India. "CONTAINER". 26th June 2000.

Class 4. No. 182722. Meso Pvt. Ltd. 101, Centre Point, Jijabhai Lane, Lal Baug, Opp. Patel Post Office, Mumbai-400012, Maharashtra, India. "BOTTLE". 26th June 2000.

Class 4. Nos. 182838 & 182839. E.I.D. Parry (India) Limited, an Indian Company, business at Ceramics Division Dare House, 234, N.S.C. Bose Road, Chennai-600 001, Tamil Nadu, India. "TOILET WATER CLOSET WITH P TRAP", "TOILET WATER CLOSET WITH S TRAP". 10th July 2000.

Class 4. No. 182835. E.I.D Parry (India) Limited, Ceramics Division, Dare House, 234, N.S.C. Bose Road, Chennai-600001, Tamil Nadu, India. "WASH BASIN". 10th July 2000.

Class 8. No. 182276. Rileys Limited, of No. 53/6, St. Jude's Mawatha, Mahabage, Sri Lanka, a Sri Lankan Company. "DOG SHAPED BOOTWIPER/BOOTSCRAPER". 9th May 2000.

Class 8. No. 182277. Rileys Limited, 53/6, St. Jude's Mawatha Mahabage, Sri Lanka, a Sri Lankan Company, 'RABBIT SHAPED BOOTWIPER/BOOTSCRAPER. 9th May 2000.

Class 8. No. 182278 Rileys Limited, 53/6, St. Jude's Mawatha Mahabage, Sri Lanka, a Sri Lankan Company, "CIGADA SHAPED BOOTWIPER/BOOTSCRAPER. 9th May 2000.

Class 12. No. 182719. M/s. Venayaka Mosquito Coil Manufacturing Company No. A-360, Peenya Industrial Estate, Bangalore-560058. Karnataka, India, an Indian Company. "MOSQUITO COIL". 26th June 2000.

Class 12. No. 182463. Samsonite Corporation. The state of Delaware, United States of America of 11200 East 45th Avenue, Denver, Colorado 80239, United States of America. "BACKPACK XI".

Class 13. No. 182685. Goldtek Furnishing Industries, An Indian Partnership firm of 78/1197, Delhi-110035, India. "TEXTILE FABRIC". 21st June 2000.

H. D. THAKUR

Controller General of Patents,  
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